L4 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN

AB A method of treating a p-38 mediated disease other than cancer comprises administration of BNHCONHA [A = (substituted) Ph, pyridyl, 2-thienyl; B = (substituted) aryl, heteroaryl containing ≥1 6-membered aromatic structure containing 0-4 N, O, or S atoms]. Thus, 5-tert-butyl-2-(3-tetrahydrofuranyloxy)aniline (preparation given) and p-tolyl isocyanate were stirred 8 h in PhMe to give 75% N-(5-tert-butyl-2-(3-tetrahydrofuranyloxy)phenyl)-N'-(4-methylphenyl)urea. Title compds. inhibited p38 kinase with IC50 = 1-10 μM.

AN 1999:421667 CAPLUS

DN 131:58659

TI Preparation of diaryl ureas as inhibitors of p38 kinase.

IN Miller, Scott; Osterhout, Martin; Dumas, Jacques; Khire, Uday; Lowinger, Timothy Bruno; Riedl, Bernd; Scott, William J.; Smith, Roger A.; Wood, Jill E.; Gunn, David; Hatoum-Mokdad, Holia; Rodriguez, Mareli; Sibley, Robert; Wang, Ming

PA Bayer Corporation, USA

SO PCT Int. Appl., 107 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

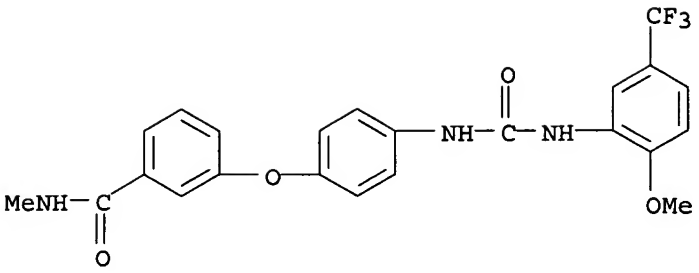
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9932463	A1	19990701	WO 1998-US27265	19981222 <--
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2315715	AA	19990701	CA 1998-2315715	19981222 <--
AU 9919399	A1	19990712	AU 1999-19399	19981222 <--
EP 1042305	A1	20001011	EP 1998-964221	19981222 <--
EP 1042305	B1	20050608		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2001526276	T2	20011218	JP 2000-525400	19981222
AT 297383	E	20050615	AT 1998-964221	19981222
ES 2154252	T3	20051201	ES 1998-964221	19981222
HK 1032050	A1	20051118	HK 2001-102468	20010407
PRAI US 1997-995749	A	19971222		
WO 1998-US27265	W	19981222		

OS MARPAT 131:58659

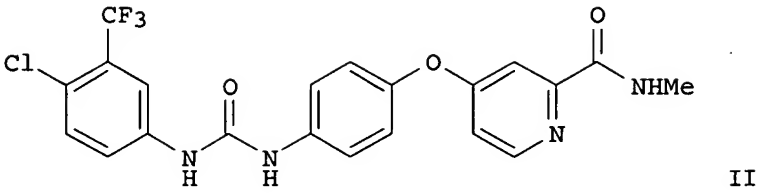
IT **228418-48-2**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(preparation of diaryl ureas as inhibitors of p38 kinase)

RN 228418-48-2 CAPLUS

CN Benzamide, 3-[4-[[[[2-methoxy-5-(trifluoromethyl)phenyl]amino]carbonyl]amino]phenoxy]-N-methyl- (9CI) (CA INDEX NAME)



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT



II

AB The title compds. ADB [I; D = NHCONH; A = substituted moiety of up to 40 carbon atoms of the formula L(ML1)q (wherein L = 5-6 membered cyclic structure; L1 = substituted cyclic moiety having at least 5 members; M = bridging group having al least one atom; q = 1-3; each of L and L1 contains 0-4 members of the group consisting of N, O and S); B = (un)substituted up to tricyclic aryl or heteroaryl moiety of up to 30 carbon atoms with at least one 6-member cyclic structure bound directly to D containing 0-4 members of the group consisting of N, O and S], useful in treating p38 mediated diseases, were prepared E.g., a multi-step synthesis of the urea II which showed IC50 of 1-10 μM against p38, was given. Compds. I are effective at 0.01-200 mg/kg/day (oral administration).

AN 2000:493376 CAPLUS

DN 133:120155

TI Preparation of ω-carboxy aryl substituted diphenyl ureas as p38 kinase inhibitors

IN Riedl, Bernd; Dumas, Jacques; Khire, Uday; Lowinger, Timothy B.; Scott, William J.; Smith, Roger A.; Wood, Jill E.; Monahan, Mary-Katherine; Natero, Reina; Renick, Joel; Sibley, Robert N.

PA Bayer Corporation, USA

SO PCT Int. Appl., 148 pp.
CODEN: PIXXD2

DT Patent

LA English

102(a)

FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000041698	A1	20000720	WO 2000-US768	20000113 <--
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2359244	AA	20000720	CA 2000-2359244	20000113 <--
	EP 1158985	A1	20011205	EP 2000-905597	20000113
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	US 2003139605	A1	20030724	US 2002-71248	20020211
	US 2003105091	A1	20030605	US 2002-86417	20020304
PRAI	US 1999-115878P	P	19990113		
	US 1999-257265	A2	19990225		
	US 1999-425229	A2	19991022		
	US 1999-115877P	P	19990113		
	US 1999-257266	B2	19990225		

2002-71248
2002-86417

102(e)

	US 2001011135	A1	20010802	US 2001-773659	20010202
	US 2001011136	A1	20010802	US 2001-773675	20010202
	US 2001016659	A1	20010823	US 2001-773672	20010202
	US 2001027202	A1	20011004	US 2001-773658	20010202
	US 2001034447	A1	20011025	US 2001-773604	20010202
	NO 2001003463	A	20010912	NO 2001-3463	20010712
	ZA 2001005751	A	20030714	ZA 2001-5751	20010712
	US 2002137774	A1	20020926	US 2001-907970	20010719
	BG 105763	A	20020329	BG 2001-105763	20010801
	HR 2001000580	A1	20020831	HR 2001-580	20010802
	US 2002042517	A1	20020411	US 2001-948915	20010910
	US 2003139605	A1	20030724	US 2002-71248	20020211
PRAI	US 1999-115877P	P	19990113		
	US 1999-257266	A2	19990225		
	US 1999-425228	A2	19991022		
	US 1999-115878P	P	19990113		
	WO 2000-US648	W	20000112		
	US 2001-948915	A1	20010910		

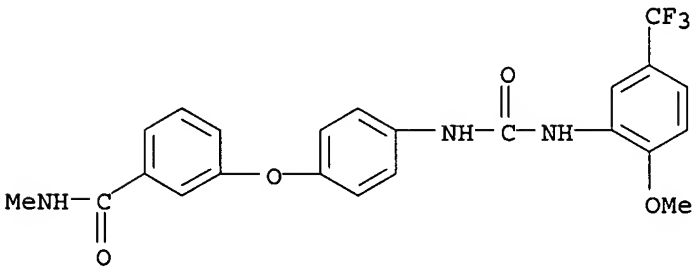
OS MARPAT 133:120157

IT **228418-48-2P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of ω-carboxy(hetero)aryl substituted di-Ph urea raf kinase inhibitors by reacting arylisocyanates with arylamines)

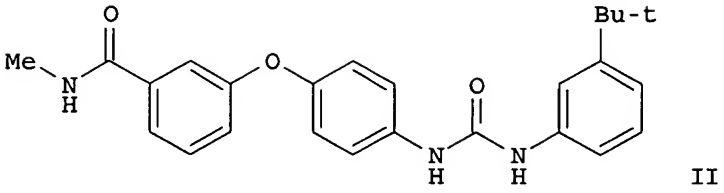
RN 228418-48-2 CAPLUS

CN Benzamide, 3-[4-[[[[2-methoxy-5-(trifluoromethyl)phenyl]amino]carbonyl]amino]phenoxy]-N-methyl- (9CI) (CA INDEX NAME)



RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN
GI



II

AB This invention relates to the preparation and use of (hetero)aryl ureas ANHCONHB [I; A = L(ML1)q; L = 5- or 6-membered (hetero)aryl, especially Ph or pyridinyl; M = bridging group; L1 = (hetero)aryl with at least one (un)substituted sulfamoyl, carboxy, or carbamoyl substituent; q = 1-3; B = certain (un)substituted mono- to tricyclic aryl or heteroaryl groups] for the treatment of raf mediated diseases, such as cancer (no data). Approx. 100 invention compds. and numerous intermediates were prepared For instance, 3-tert-butylaniline was coupled with bis(trichloromethyl)carbonate to form the isocyanate, followed by addition of 4-(3-N-methylcarbamoylphenoxy)aniline (preparation given) to afford the urea II.

AN 2000:493516 CAPLUS

DN 133:120157

TI Preparation of ω-carboxy(hetero)aryl substituted diphenyl ureas as raf kinase inhibitors

IN Riedl, Bernd; Dumas, Jacques; Khire, Uday; Lowinger, Timothy B.; Scott, William J.; Smith, Roger A.; Wood, Jill E.; Monahan, Mary-Katherine; Natero, Reina; Renick, Joel; Sibley, Robert N.

PA Bayer Corporation, USA

SO PCT Int. Appl., 120 pp.
CODEN: PIXXD2

DT Patent

LA English

102(a)

FAN.CNT 5

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000042012	A1	20000720	WO 2000-US648	20000112 <--
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2359510	AA	20000720	CA 2000-2359510	20000112 <--
AU 2000025016	A5	20000801	AU 2000-25016	20000112 <--
EP 1140840	A1	20011010	EP 2000-903239	20000112
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
EE 200100368	A	20030415	EE 2001-368	20000112
JP 2003526613	T2	20030909	JP 2000-593580	20000112
BR 2000007487	A	20030923	BR 2000-7487	20000112

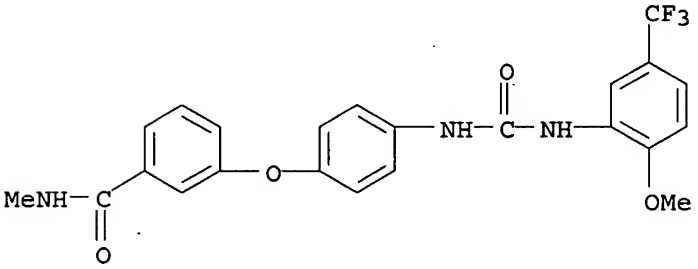
US 1999-425228 B1 19991022
WO 2000-US768 W 20000113
US 2001-948915 A1 20010910

OS MARPAT 133:120155

IT **228418-48-2P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of ω-carboxy aryl substituted di-Ph ureas as p38 kinase inhibitors)

RN 228418-48-2 CAPLUS

CN Benzamide, 3-[4-[[[[2-methoxy-5-(trifluoromethyl)phenyl]amino]carbonyl]amino]phenoxy]-N-methyl- (9CI) (CA INDEX NAME)

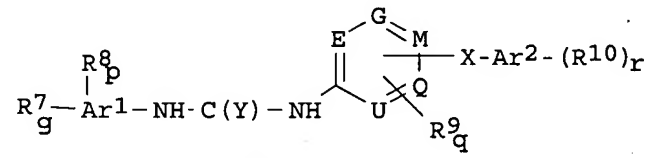


L12 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:823661 CAPLUS
DOCUMENT NUMBER: 143:229726
TITLE: Preparation of 1,3-diarylureas as inhibitors of raf and other kinases useful against cancer and other diseases
INVENTOR(S): Buchstaller, Hans-Peter; Burgdorf, Lars; Stieber, Frank; Amendt, Christiane; Grell, Matthias; Sirrenberg, Christian; Zenke, Frank
PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Germany
SOURCE: PCT Int. Appl., 264 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

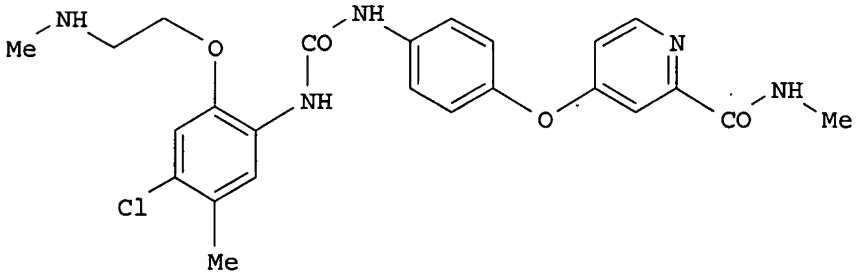
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005075425	A2	20050818	WO 2005-EP387	20050117

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: EP 2004-2092 A 20040130
GRAPHIC IMAGE:



I



I

ABSTRACT:
The present invention relates to bisarylurea derivs. (shown as I; variables defined below; e.g. 4-[4-[3-[4-chloro-5-methyl-2-(2-methylaminoethoxy)phenyl]ureido]phenoxy]pyridine-2-carboxylic acid methylamide

(shown as II)), their use as inhibitors of raf-kinase (no data) and for the manufacture of a pharmaceutical composition and a method of treatment, comprising administering said pharmaceutical composition to a patient. Methods of preparation are
claimed and >100 example prepns. are included. For example, 1-[2-[2-[(tert-butoxycarbonyl)(methyl)amino]ethoxy]-5-(trifluoromethyl)phenyl]-3-[4-[[2-(methylcarbamoyl)pyridin-4-yl]oxy]phenyl]urea was prepared (87 %) by reacting tert-Bu [2-[2-amino-4-(trifluoromethyl)phenoxy]ethyl](methyl)carbamate (preparation given) with p-nitrophenyl chloroformate followed by N-methyl-4-(4-aminophenoxy)pyridine-2-carboxamide (preparation given) and DIPEA; deprotection gave 86 % 1-[2-[2-(methylamino)ethoxy]-5-(trifluoromethyl)phenyl]-3-[4-[[2-(methylcarbamoyl)pyridin-4-yl]oxy]phenyl]urea. For I: Ar1, Ar2 = aromatic hydrocarbons containing 6 to 14 C atoms and ethylenic unsatd. or aromatic heterocyclic residues containing 3 to 10 C atoms and one or two heteroatoms, = N, O and S; E, G, M, Q and U = C and N atoms, with the proviso that ≥1 of E, G, M, Q and U are C atoms and that X is bonded to a C atom. R7 = Het, OHet, N(R11)Het, (CR5R6)kHet, et al. or R7 = -SO2-CR8:CR8-, wherein both valencies are bound vicinally to Ar1; R8, R9 and R10 = H, A, cycloalkyl comprising 3 to 7 C atoms, Hal, et al.; Y = O, S, NR21, C(R22)-NO2, C(R22)-CN and C(CN)2; g = 1-3, preferably 1 or 2, p, r = 0-5; q = 0-4, preferably 0, 1 or 2; addnl. details are given in the claims.

1/17/06

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1612RXD

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

```
 NEWS  1          Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2          "Ask CAS" for self-help around the clock
 NEWS  3  DEC 05  CASREACT(R) - Over 10 million reactions available
 NEWS  4  DEC 14  2006 MeSH terms loaded in MEDLINE/LMEDLINE
 NEWS  5  DEC 14  2006 MeSH terms loaded for MEDLINE file segment of TOXCENTER
 NEWS  6  DEC 14  CA/CAplus to be enhanced with updated IPC codes
 NEWS  7  DEC 21  IPC search and display fields enhanced in CA/CAplus with the
                  IPC reform
 NEWS  8  DEC 23  New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/
                  USPAT2
 NEWS  9  JAN 13  IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
 NEWS 10  JAN 13  New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to
                  INPADOC
 NEWS 11  JAN 17  Pre-1988 INPI data added to MARPAT

 NEWS EXPRESS  JANUARY 03 CURRENT VERSION FOR WINDOWS IS V8.01,
               CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
               V8.0 USERS CAN OBTAIN THE UPGRADE TO V8.01 AT
               http://download.cas.org/express/v8.0-Discover/

 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS INTER    General Internet Information
 NEWS LOGIN    Welcome Banner and News Items
 NEWS PHONE    Direct Dial and Telecommunication Network Access to STN
 NEWS WWW      CAS World Wide Web Site (general information)
```

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 15:13:01 ON 17 JAN 2006

=> file registry

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION

1/17/06

FULL ESTIMATED COST 2.52 2.52

FILE 'REGISTRY' ENTERED AT 15:20:23 ON 17 JAN 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 15 JAN 2006 HIGHEST RN 871978-73-3
DICTIONARY FILE UPDATES: 15 JAN 2006 HIGHEST RN 871978-73-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

```
**********************************************************************
*                                                                    *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,    *
* effective March 20, 2005.  A new display format, IDERL, is now     *
* available and contains the CA role and document type information. *
*                                                                    *
**********************************************************************
```

Structure search iteration limits have been increased. See HELP SLIMITS
for details.

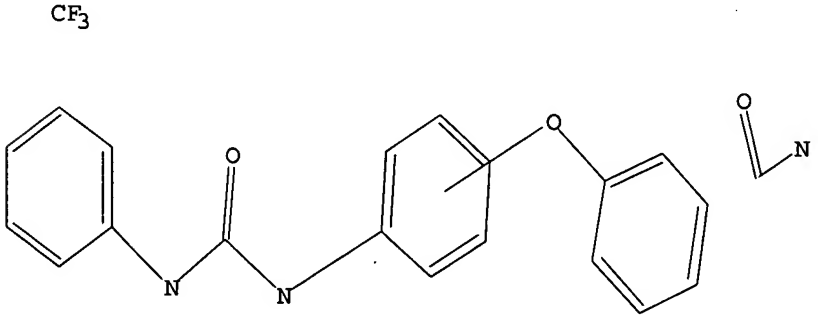
REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\10042203.str

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



10042203

1/17/06

Structure attributes must be viewed using STN Express query preparation.

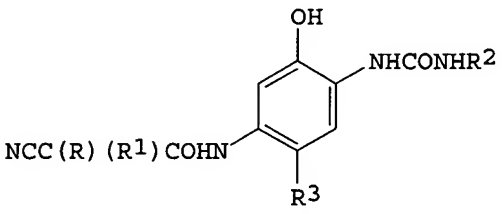
```
=> s l1
SAMPLE SEARCH INITIATED 15:20:46 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      167 TO ITERATE

100.0% PROCESSED      167 ITERATIONS                                  4 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         2565 TO     4115
PROJECTED ANSWERS:               4 TO      200

L2             4 SEA SSS SAM L1

=> s l1 ful
FULL SEARCH INITIATED 15:20:51 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     3619 TO ITERATE

100.0% PROCESSED     3619 ITERATIONS                               103 ANSWERS
SEARCH TIME: 00.00.01

L3           103 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   166.94     169.46

FILE 'CAPLUS' ENTERED AT 15:21:00 ON 17 JAN 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)
```



```
FILE COVERS 1907 - 17 Jan 2006  VOL 144 ISS 4
FILE LAST UPDATED: 16 Jan 2006  (20060116/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l3
L4           24 L3
```

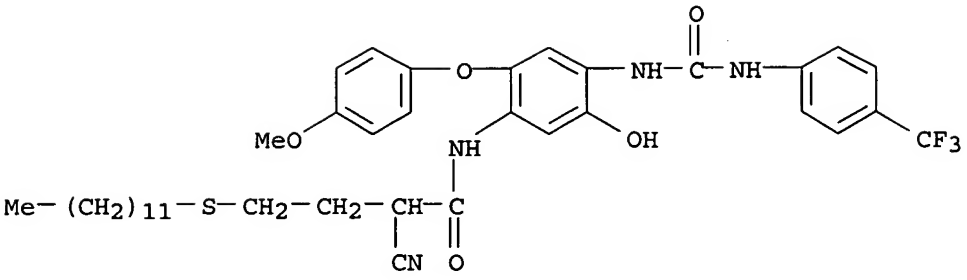
1/17/06

```
=> s l4 and py<1999
      19111684 PY<1999
L5            7 L4 AND PY<1999

=> d abs fbib hitstr 1-7

L5   ANSWER 1 OF 7  CAPLUS  COPYRIGHT 2006 ACS on STN
GI
```

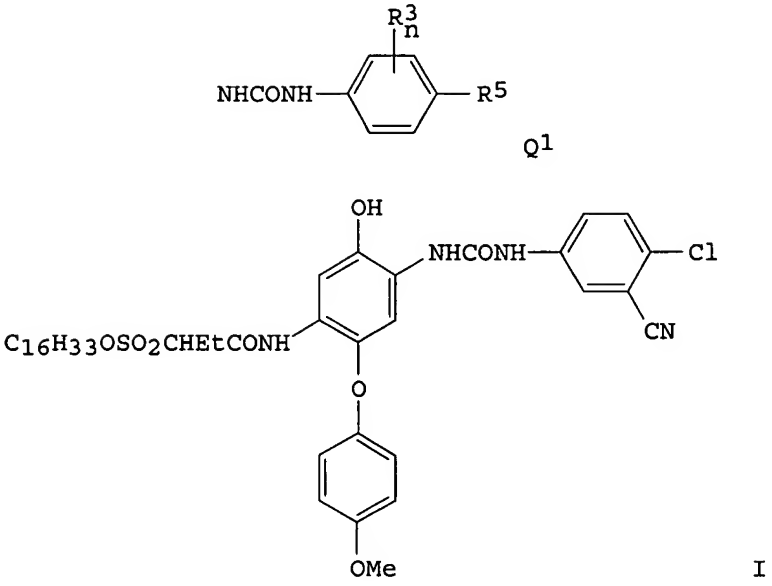


I

```
AB   The title photog. material having ≥1 Ag halide emulsion layer on a
     support contains ≥1 cyan coupler I (R, R1 = H, aryl, aralkyl,
     alkenyl, cycloalkyl; R2 = aryl; R3 = H, leaving group in coupling with the
     oxidized developing agent).  A monocolor film containing cyan coupler I (R =
     R1 = C18H37, R2 = 4-NCPh, R3 = H) in an emulsion layer showed high
     spectral absorption of cyan dye and good developability.
AN   1992:72187  CAPLUS
DN   116:72187
TI   Silver halide color photographic material containing ureidophenol cyan
     coupler
IN   Tsukahara, Jiro; Yamazaki, Shigeru
PA   Fuji Photo Film Co., Ltd., Japan
SO   Jpn. Kokai Tokkyo Koho, 28 pp.
     CODEN: JKXXAF
DT   Patent
LA   Japanese
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.         DATE
     ---------------     ----   --------    --------------------    --------
PI   JP 03220554          A2    19910927    JP 1990-15791           19900125 <--
                                             JP 1990-15791           19900125
IT   138763-48-1
     RL: TEM (Technical or engineered material use); USES (Uses)
        (cyan photog. coupler, for good developability)
RN   138763-48-1  CAPLUS
CN   Butanamide, 2-cyano-4-(dodecylthio)-N-[5-hydroxy-2-(4-methoxyphenoxy)-4-
     [[[[4-(trifluoromethyl)phenyl]amino]carbonyl]amino]phenyl]- (9CI)  (CA
     INDEX NAME)
```



L5 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
GI



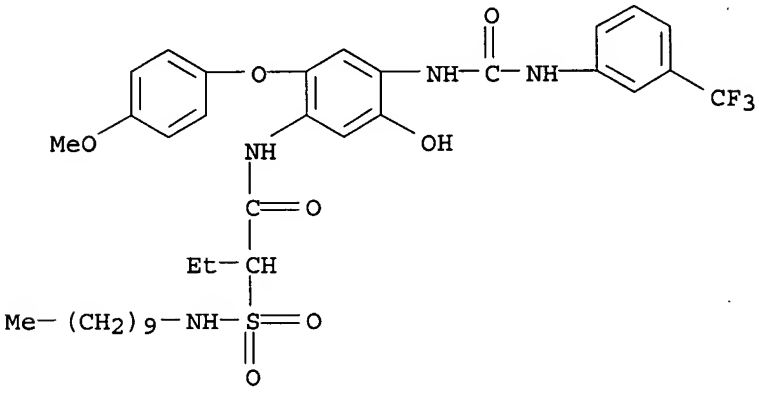
AB The title material contains a phenol cyan coupler, which is 2-substituted with a ureido group Q1 and 5-substituted with R1Q2SO2R2CONH [Q2 = NR4, O; R1 = (cyclo)alkyl, aryl, heterocycle; R2 = alkylene; R3 = H, substituent; n = 1-4; R4 = H, alkyl, aryl, heterocycle; R5 = H, substituent except CN]. Thus, a solution of the title cyan coupler I in di-Bu phthalate and EtOAc containing alkyl naphthalenesulfonate and gelatin was mixed with a red-sensitive AgBr emulsion then coated onto a polyester support to give a photog. film, which gave fog-free printed image with coloring property.

AN 1991:618758 CAPLUS
DN 115:218758
TI Silver halide color photographic emulsion material containing ureido-substituted phenol cyan coupler
IN Nakayama, Noritaka; Masukawa, Toyoaki
PA Konica Co., Japan
SO Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF

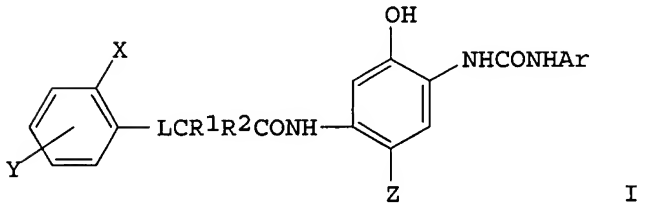
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03080244	A2	19910405	JP 1989-219170	19890824 <--
			JP 1989-219170	19890824

IT **136925-86-5**
RL: USES (Uses)
(cyan coupler, for silver halide photog. emulsion, prevention of fog in)
RN 136925-86-5 CAPLUS
CN Butanamide, 2-[(decylamino)sulfonyl]-N-[5-hydroxy-2-(4-methoxyphenoxy)-4-[[[[3-(trifluoromethyl)phenyl]amino]carbonyl]amino]phenyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
GI



I

AB In the title material, ≥1 of the emulsion layers contains ≥1 cyan dye-forming coupler of the structure I [R1 = C1-24 alkyl, C7-24 aralkyl, a 3-12-membered cycloalkyl; R2 = H, C1-16 alkyl; L = O, S, sulfonyl; X = H, C1-24 alkyl, C6-24 aryl, 3-12-membered cycloalkyl, 4-7-membered heterocyclyl consisting of C, N, O, and/or S, halogen, NO2, CN, COR3, CO2R3, CONR3R4, OR3, SR3, OSO2R3, SO2R3, NR4SO2R3, SO2NR3R4, NR4COR3; Y = benzonesulfonamido, N-phenylsulfamoyl; Z = H, a group to be released upon a coupling reaction with an aromatic primary amine developer; Ar = C6-24 aryl; R3 = C1-24 alkyl, C6-24 aryl; R4 = H, R3; Ar ≠

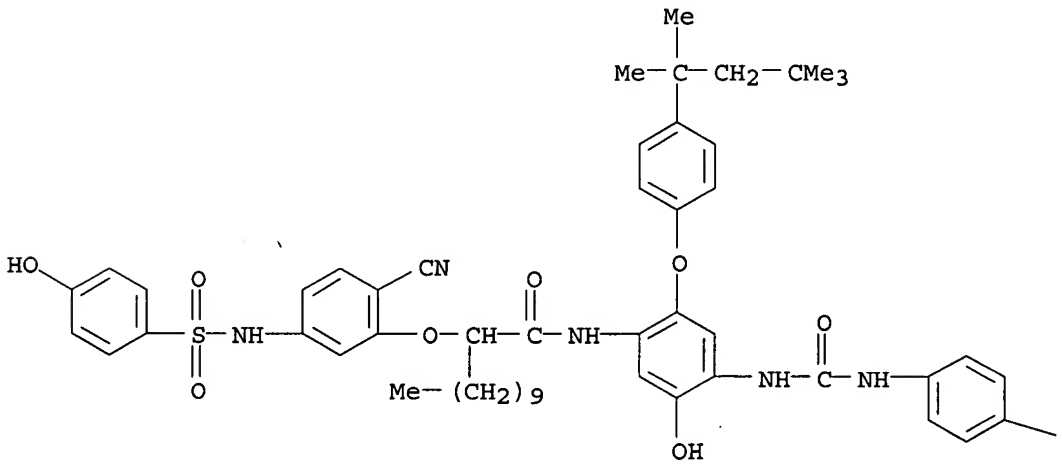
p-cyanophenyl; when X = H, substituent of Y ≠ sulfamoyl, sulfamoylamino].

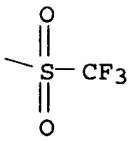
AN 1990:601203 CAPLUS
DN 113:201203
TI Color photographic material
IN Kobayashi, Hidetoshi; Tamoto, Koji; Yamakawa, Kazuyoshi; Nakajo, Kiyoshi
PA Fuji Photo Film Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 42 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 02018552	A2	19900122	JP 1988-168287	19880706 <--
			JP 1988-168287	19880706

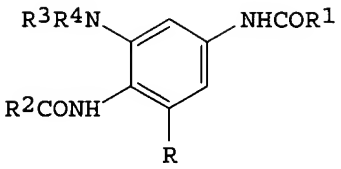
IT **129367-27-7**
RL: TEM (Technical or engineered material use); USES (Uses)
(photog. cyan coupler)
RN 129367-27-7 CAPLUS
CN Dodecanamide, 2-[2-cyano-5-[[(4-hydroxyphenyl)sulfonyl]amino]phenoxy]-N-[5-hydroxy-2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-4-[[[[4-[(trifluoromethyl)sulfonyl]phenyl]amino]carbonyl]amino]phenyl]- (9CI) (CA INDEX NAME)

PAGE 1-A





L5 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
GI



I

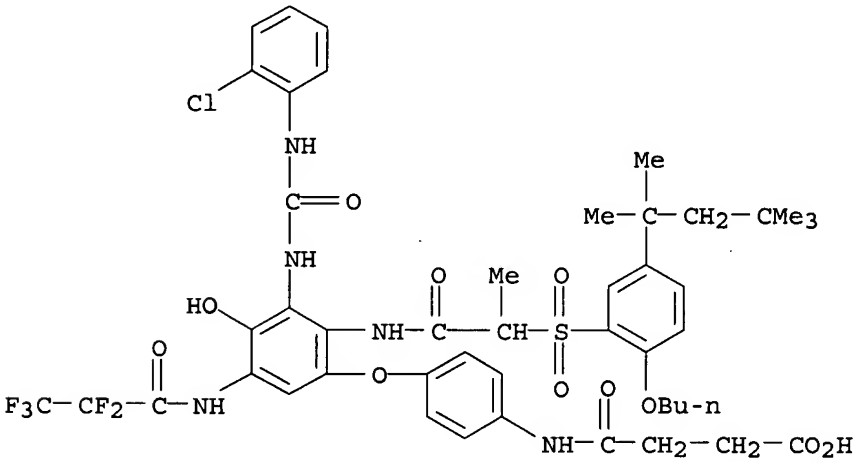
AB A Ag halide color photog. material which provides dye images of improved storage stability comprises ≥1 Ag halide photog. emulsion layer containing ≥1 cyan coupler represented by the formula I [R = H or a group capable of being eliminated through a reaction with the oxidized product of a color photog. developing agent; R1, R2 = alkyl, aryl, dialkyla,ino, anilino, alkoxy, aryloxy, or heterocyclyl; R3 = H or alkyl; R4 = H, alkyl, aryl, R5CO, or R5SO2, provided that R3 ≠ R4 = H; R5 = H, alkyl, aryl, dialkylamino, anilino, alkoxy, or aryloxy]. The cyan coupler is incorporated into the Ag halide emulsions by 1st dissolving in a high-boiling organic solvent having a b.p. ≥150° and/or a low-boiling organic solvent having a B.P. of 30-150° and then dispersing in a hydrophilic colloid. The photog. emulsion layers with improved rapid processability contain Ag halide grains comprising AgCl ≥90, AgBr ≤5, and AgI ≤0.5 mol%.

AN 1989:543941 CAPLUS
DN 111:143941
TI Silver halide color photographic material containing novel cyan coupler
IN Masukawa, Toyoaki; Ninomiya, Hidetaka; Iizuka, Hiroyuki
PA Konica Co., Japan
SO Eur. Pat. Appl., 55 pp.
CODEN: EPXXDW

DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 296780	A2	19881228	EP 1988-305607	19880620 <--
	EP 296780	A3	19891025		
	R: DE, GB, IT, NL				
				JP 1987-160324 A	19870626
	JP 01077059	A2	19890323	JP 1988-147625	19880614 <--
				JP 1987-160324 A1	19870626
	US 4840883	A	19890620	US 1988-206580	19880614 <--
				JP 1987-160324 A	19870626

OS CASREACT 111:143941
IT **122735-51-7**
RL: TEM (Technical or engineered material use); USES (Uses)
(cyan photog. coupler, color photog. emulsion containing, for forming dye images with improved stability)
RN 122735-51-7 CAPLUS
CN Butanoic acid, 4-[[4-[2-[[2-[[2-butoxy-5-(1,1,3,3-tetramethylbutyl)phenyl]sulfonyl]-1-oxopropyl]amino]-3-[[[(2-chlorophenyl)amino]carbonyl]amino]-4-hydroxy-5-[(2,2,3,3,3-pentafluoro-1-oxopropyl)amino]phenoxy]phenyl]amino]-4-oxo- (9CI) (CA INDEX NAME)



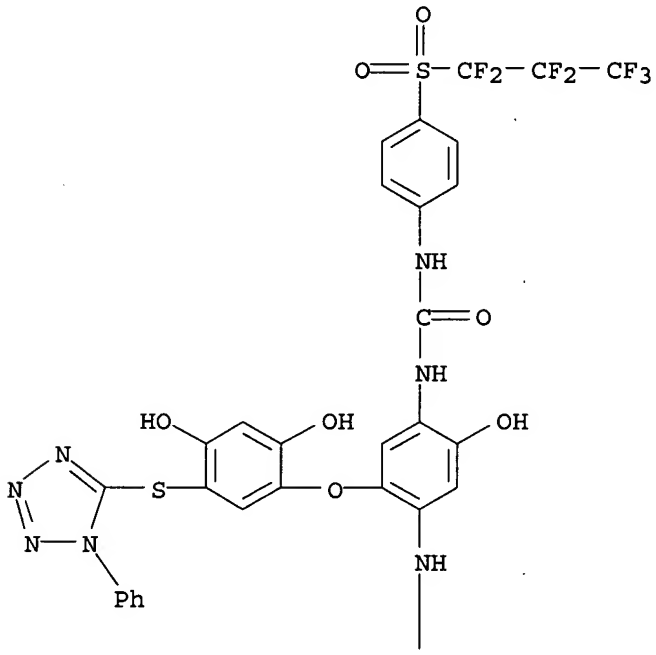
L5 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
AB A photog. film having improved sharpness and color reproducibility comprises ≥1 red-, ≥1 green-, and ≥1 blue-sensitive Ag halide emulsion layers wherein at least 1 each of the red- and green-sensitive layers contain a development inhibitor-releasing compound which reacts with an oxidized developer mol. and another oxidized developer mol.
AN 1987:506184 CAPLUS
DN 107:106184
TI Silver halide color photographic material
IN Ichijima, Yasushi; Obayashi, Keiji
PA Fuji Photo Film Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 40 pp.
CODEN: JKXXAF
DT Patent

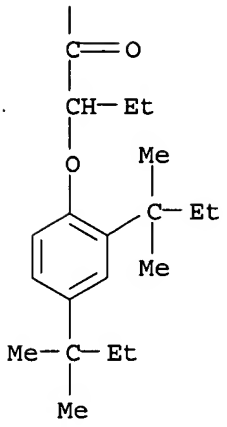
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
PI	JP 62024252	A2	19870202	JP 1985-163759		19850724	<--
	US 4985336	A	19910115	US 1989-294957		19890106	<--
				JP 1985-163759	A	19850724	
				US 1986-889146	B1	19860724	

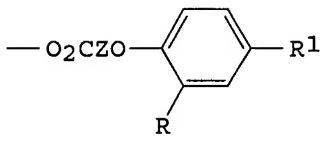
IT **110022-79-2**
RL: USES (Uses)
(development inhibitor-releasing coupler, for color photog. film)
RN 110022-79-2 CAPLUS
CN Butanamide, 2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-N-[2-[2,4-dihydroxy-5-[(1-phenyl-1H-tetrazol-5-yl)thio]phenoxy]-4-[[[[4-[(heptafluoropropyl)sulfonyl]phenyl]amino]carbonyl]amino]-5-hydroxyphenyl]- (9CI) (CA INDEX NAME)

PAGE 1-A

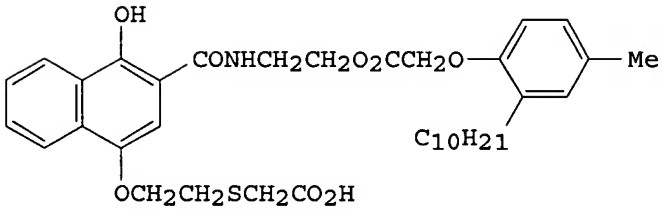




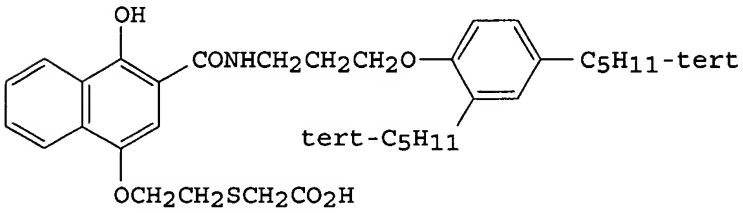
L5 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
GI



I



II



III

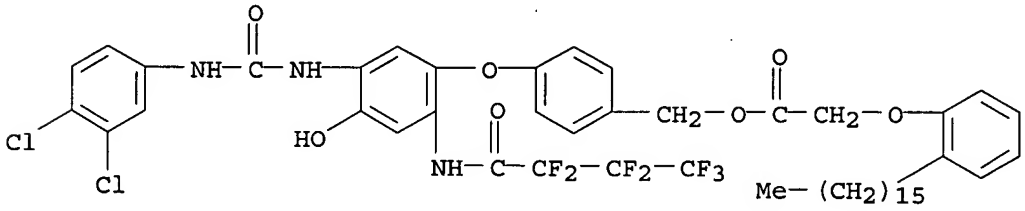
AB Ag halide color photog. photosensitive materials contain couplers with diffusion resistant groups of the formula I (R = C8-18 aliphatic moiety; R1 = H, Me, Cl; Z = C1-7 divalent aliphatic moiety). The couplers I exhibit excellent coloration (i.e. coupling reaction) characteristics. Thus, a color photog. film having a halation inhibitor layer, an interlayer, 3 red-sensitive emulsion layers, a 2nd interlayer, 3 green-sensitive emulsion layers, a yellow filter layer, 2 blue-sensitive emulsion layers, a ultrafine Ag halide emulsion layer, a 3rd blue-sensitive emulsion layer, a UV absorber layer and a protective layer was prepared by using II in the

3rd red-sensitive emulsion layer (i.e. highest sensitivity layer). The film was sensitometrically exposed and developed to give a relative sensitivity (determined from Dmax measured with a red filter) and a fog of 120 and 0.07, resp., vs. 100 and 0.08, resp., for a control with III instead of II.

AN 1986:119890 CAPLUS
DN 104:119890
TI Silver halide color photographic photosenitive materials
IN Ichijima, Yasushi
PA Fuji Photo Film Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 23 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

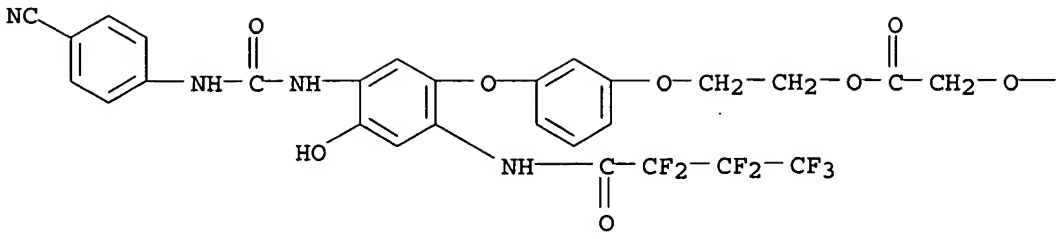
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 60185951	A2	19850921	JP 1984-20540	19840207 <--
JP 04073771	B4	19921124		
			JP 1984-20540	19840207

IT **100780-62-9**
RL: TEM (Technical or engineered material use); USES (Uses)
(photog. coupler)
RN 100780-62-9 CAPLUS
CN Acetic acid, (2-hexadecylphenoxy)-, [4-[5-[[[(3,4-dichlorophenyl)amino]carbonyl]amino]-2-[(2,2,3,3,4,4,4-heptafluoro-1-oxobutyl)amino]-4-hydroxyphenoxy]phenyl]methyl ester (9CI) (CA INDEX NAME)

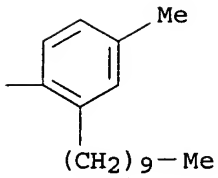


IT **100780-58-3P**
RL: TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(preparation of, as photog. coupler)
RN 100780-58-3 CAPLUS
CN Acetic acid, (2-decyl-4-methylphenoxy)-, 2-[3-[5-[[[(4-cyanophenyl)amino]carbonyl]amino]-2-[(2,2,3,3,4,4,4-heptafluoro-1-oxobutyl)amino]-4-hydroxyphenoxy]phenoxy]ethyl ester (9CI) (CA INDEX NAME)

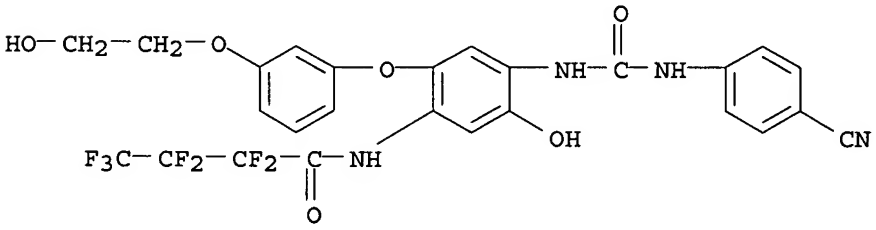
PAGE 1-A



PAGE 1-B



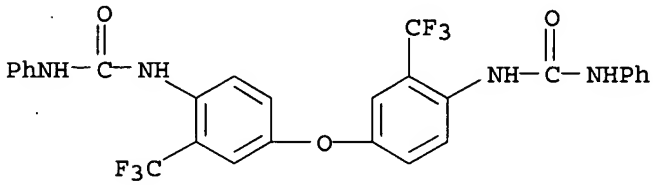
IT **100780-68-5**
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with decylmethylphenoxyacetic acid, in photog. coupler synthesis)
RN 100780-68-5 CAPLUS
CN Butanamide, N-[4-[[[(4-cyanophenyl)amino]carbonyl]amino]-5-hydroxy-2-[3-(2-hydroxyethoxy)phenoxy]phenyl]-2,2,3,3,4,4,4-heptafluoro- (9CI) (CA INDEX NAME)



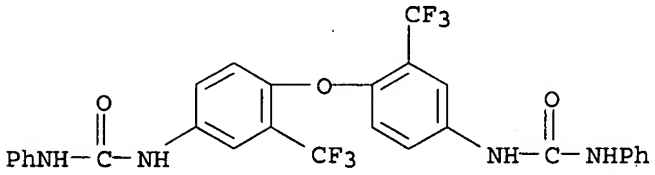
L5 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
AB Three bis(trifluoromethyl)dinitrobiphenyls were prepared by heating chloro- or iodo-nitrobenzotrifluorides with Cu in DMF. Three bis(trifluoromethyl)dinitrodiphenyl ethers were obtained by the reactions of chloronitrobenzotrifluorides with alkali metal carbonates in aprotic solvents. The dinitro compds. were reduced by Sn-HCl to give the diamino derivs. The diisocyanates 3,4-F3C(OCN)-C6H3C6H3(NCO)CF3-4,3,2,4-F3C(OCN)C6H3C6H3(NCO)CF3-4,2,3,4-F3C(OCN)C6H3OC6H3(NCO)CF3-4,3,2,4-F3C(OCN)C6H3-OC6H3(NCO)CF3-4,2, and 4,2-F3C(OCN)C6H3OC6H3(NCO)CF3-2,4 were obtained by the reactions of the amine derivs. with COCl2 in glyme.
AN 1972:461435 CAPLUS
DN 77:61435
TI Synthesis of diisocyanates of trifluoromethyl-substituted biphenyls and diphenyl ethers
AU Maki, Yasuo; Inukai, Kan

1/17/06

CS Gov. Ind. Res. Inst. Nagoya, Nagoya, Japan
SO Nippon Kagaku Kaishi (**1972**), (3), 675-7
CODEN: NKAKB8; ISSN: 0369-4577
DT Journal
LA Japanese
IT **38045-17-9P 38045-18-0P 38045-19-1P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 38045-17-9 CAPLUS
CN Urea, N,N''-[oxybis[2-(trifluoromethyl)-4,1-phenylene]]bis[N'-phenyl-
(9CI) (CA INDEX NAME)



RN 38045-18-0 CAPLUS
CN Urea, N,N''-[oxybis[3-(trifluoromethyl)-4,1-phenylene]]bis[N'-phenyl-
(9CI) (CA INDEX NAME)



RN 38045-19-1 CAPLUS
CN Urea, N,N''-[oxybis[5-(trifluoromethyl)-2,1-phenylene]]bis[N'-phenyl-
(9CI) (CA INDEX NAME)